

Form PTO-1390	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER P27674
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/529,946
INTERNATIONAL APPLICATION NO. PCT/JP2003/012648	INTERNATIONAL FILING DATE 2 October 2003	PRIORITY DATE CLAIMED 3 October 2002
TITLE OF INVENTION QUINAZOLIN-4-ONE DERIVATIVES		
APPLICANT(S) FOR DO/EO/US Akiko ITAI, Susumu MUTO, Tsuyoshi INOUE and Yoshihiro URADE		
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information.</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (23) indicated below.</li> <li><input type="checkbox"/> The US has been elected (PCT Article 31).</li> <li><input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> has been communicated by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is attached hereto.</li> <li><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154 (d) (4).</li> </ol> </li> <li><input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> have been communicated by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> </ol> <p>"EXECUTED"</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 22 below concern other document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. Assignee: <u>Institute of Medicinal Molecular Design, Inc. of Tokyo, Japan</u></li> <li>12. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>13. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>14. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</li> <li>15. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76.</li> <li>16. <input type="checkbox"/> A substitute specification.</li> <li>17. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>18. <input type="checkbox"/> Figure of Drawing to be published.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154 (d) (4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the international of the international application under 35 U.S.C. 154 (d) (4).</li> <li>22. <input checked="" type="checkbox"/> Other items or information: Cover Letter. Copy of Notification of Missing Requirements (form PCT/DO/EO/905).</li> </ol>		

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/529,947	INTERNATIONAL APPLICATION NO. PCT/JP2003/012648	ATTORNEY'S DOCKET NUMBER P27674	
		CALCULATIONS	PTO USE ONLY
23 <input type="checkbox"/> The following fees are submitted: Basic national fee..... 300.00		\$ 0.00	
24 <input type="checkbox"/> Examination Fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33 (1)-(4)..... 100.00 All other situations..... 200.00		\$ 0.00	
25 <input type="checkbox"/> Search fee Search fee (37 CFR 1.445(a) (2)) has been paid on the international application to the USPTO as an International Searching Authority..... 100.00 International Search Report prepared and provided to the Office..... 400.00 All other situations..... 500.00		\$ 0.00	
<b>TOTAL 23, 24 and 25 =</b>		\$ 0.00	
<input type="checkbox"/> Additional Fee for Specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.			
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE
-100=	/50 =	x \$250.00	\$ 0.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).			\$ 130.00
Claims	Number Filed	Number Extra	Rate
Total Claims	20	- 20 = 0	x \$50.00 \$ 0.00
Independent Claims	2	- 3 = 0	x \$200.00 \$ 0.00
Multiple Dependent Claim(s) (if applicable)		+ \$360.00	\$ 0.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$ 130.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½ .		\$ 0.00	
		<b>SUBTOTAL =</b>	\$ 130.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (i)).		\$ 130.00	
Extension of Time fee in the amount of \$		\$ 0.00	
		<b>TOTAL NATIONAL FEE =</b>	\$ 260.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$ 0.00	
<b>TOTAL FEES ENCLOSED =</b>		\$ 260.00	
		Amount to be refunded	\$
		Charged	\$
<p>a. <input checked="" type="checkbox"/> A check in the amount of <u>\$260.00</u> to cover the above fees is included.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.</p> <p>c. <input checked="" type="checkbox"/> The U.S. Patent and Trademark Office is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0089</u>.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>			
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>			
SEND ALL CORRESPONDENCE TO CUSTOMER NO. 07055 AT THE PRESENT ADDRESS OF:  Bruce H. Bernstein GREENBLUM & BERNSTEIN, P.L.C. 1950 Roland Clark Place Reston, VA 20191 (703) 716-1191			
 <b>Stephen M. Roylance</b> Reg. No. 31,296 Bruce H. Bernstein NAME 29,027 REGISTRATION NUMBER			

10/12/2005 ATRAN1 00000113 10529946

01 FC:1617 130.00 OP  
02 FC:1618 130.00 OP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Akiko ITAI et al. **Mail Stop PCT**  
Appl. No: : 10/529,946 (National Stage of PCT/JP2003/012648)  
I. A. Filed : October 2, 2003  
For : QUINAZOLIN-4-ONE DERIVATIVES

**COVER LETTER**

**Mail Stop PCT**

Commissioner for Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop PCT  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

In order to comply with the requirements (copy enclosed) for the submission of an executed Declaration and English translation of the International Application set forth in the Notification mailed August 26, 2005 which sets a two-month period of response until October 26, 2005, Applicants hereby submit:

- Transmittal Letter to the United States Designated/Elected Office Concerning a Filing Under 35 U.S.C. 371;
- an executed Declaration and Power of Attorney;
- a verified English language translation of the International Application as originally filed (including 1 page of verification and 74 pages of specification with abstract); and
- a check in the amount of \$260.00 of which \$130.00 is payment of the surcharge for late filing of the Declaration and 130.00 is payment of the Non-English specification.

Also enclosed is:

- a Preliminary Amendment; and
- an Information Disclosure Statement, form PTO-1449, and references cited.

The U.S. Patent and Trademark Office is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 19-0089.

Should the Examiner have any questions, he is invited to contact the undersigned at the below-listed number.

Respectfully submitted,  
Akiko ITAI et al.



Bruce H. Bernstein  
Reg. No. 29,027

Stephen M. Roylance  
Reg. No. 31,296

October 3, 2005  
GREENBLUM & BERNSTEIN, P.L.C.  
1950 Roland Clarke Place  
Reston, VA 20191  
(703) 716-1191



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/529,946	Akiko Itai	P27674

7055  
 GREENBLUM & BERNSTEIN, P.L.C.  
 1950 ROLAND CLARKE PLACE  
 RESTON, VA 20191

**RECEIVED**  
 AUG 30 2005  
 GREENBLUM & BERNSTEIN PLC

INTERNATIONAL APPLICATION NO.

PCT/JP03/12648

IA. FILING DATE	PRIORITY DATE
10/02/2003	10/03/2002

**CONFIRMATION NO. 5544**  
**371 FORMALITIES LETTER**  
**\*OC000000016854007\***  
**\*OC000000016854007\***

Date Mailed: 08/26/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 04/01/2005
- Copy of the International Search Report filed on 04/01/2005
- Copy of IPE Report filed on 04/01/2005
- Oath or Declaration filed on 04/01/2005
- Request for Immediate Examination filed on 04/01/2005
- Copy of references cited in ISR filed on 04/01/2005
- U.S. Basic National Fees filed on 04/01/2005
- Priority Documents filed on 04/01/2005

**RECEIVED**  
 AUG 30 2005  
 GREENBLUM & BERNSTEIN PLC

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. Note a processing fee will be required if submitted later than 30 months from the priority date.
- Processing fee for providing the translation of the application and/or the Annexes later than 30 months from the priority date (37 CFR 1.492(i)).
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.

- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$260** for a Large Entity:

- **\$130 Surcharge.**
- **\$130 for English translation surcharge required.**

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

MAMIE P PERSON

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Telephone: (703) 308-9140 EXT 227

PART 1 - ATTORNEY/APPLICANT COPY

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U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/529,946	PCT/JP03/12648	P27674

FORM PCT/DO/EO/905 (371 Formalities Notice)